

**Annex 2A. Cement Production (IPCC 2A1)**  
**to the Technical Support Document for California's 2000-2014 Greenhouse Gas**  
**Emission Inventory**

[Back to main document: www.arb.ca.gov/cc/inventory/doc/methods\\_00-14/ghg\\_inventory\\_00-14\\_technical\\_support\\_document.pdf](http://www.arb.ca.gov/cc/inventory/doc/methods_00-14/ghg_inventory_00-14_technical_support_document.pdf)

**Variables Used in the Emissions Estimation Equations**

*Values last updated on Wednesday, March 30, 2016*

**IPCC category = 2A1 — Mineral Industry - Cement Production**

► Sector = Manufacturing : Stone, Clay, Glass & Cement : Cement >

**Activity = Clinker production**

<b>- Variable Name -</b>	<b>- Year -</b>	<b>- Value and Units -</b>	<b>- Reference -</b>
Clinker production	2000	10.62 Tg (million tonnes)	USGS, various years a
Clinker production	2001	10.15 Tg (million tonnes)	USGS, various years a
Clinker production	2002	11.19 Tg (million tonnes)	USGS, various years a
Clinker production	2003	11.28 Tg (million tonnes)	USGS, various years a
Clinker production	2004	11.59 Tg (million tonnes)	USGS, various years a
Clinker production	2005	11.47 Tg (million tonnes)	USGS, various years a
Clinker production	2006	11.17 Tg (million tonnes)	USGS, various years a
Clinker production	2007	10.88 Tg (million tonnes)	USGS, various years a
Clinker production	2008	9.42 Tg (million tonnes)	ARB, 2015b
Clinker production	2009	6.53 Tg (million tonnes)	ARB, 2015b
Clinker production	2010	6.65 Tg (million tonnes)	ARB, 2015b
Clinker production	2011	7.84 Tg (million tonnes)	ARB, 2015b
Clinker production	2012	8.95 Tg (million tonnes)	ARB, 2015b
Clinker production	2013	9.47 Tg (million tonnes)	ARB, 2015b
Clinker production	2014	10.13 Tg (million tonnes)	ARB, 2015b
Cement Kiln Dust Adjustment Factor	2000	1.02	IPCC, 2006c
Cement Kiln Dust Adjustment Factor	2001	1.02	IPCC, 2006c
Cement Kiln Dust Adjustment Factor	2002	1.02	IPCC, 2006c
Cement Kiln Dust Adjustment Factor	2003	1.02	IPCC, 2006c
Cement Kiln Dust Adjustment Factor	2004	1.02	IPCC, 2006c
Cement Kiln Dust Adjustment Factor	2005	1.02	IPCC, 2006c
Cement Kiln Dust Adjustment Factor	2006	1.02	IPCC, 2006c
Cement Kiln Dust Adjustment Factor	2007	1.02	IPCC, 2006c
Cement Kiln Dust Adjustment Factor	2010	1.02	IPCC, 2006c
Cement Kiln Dust Adjustment Factor	2011	1.02	IPCC, 2006c
Cement Kiln Dust Adjustment Factor	2012	1.02	IPCC, 2006c
Cement Kiln Dust Adjustment Factor	2013	1.02	IPCC, 2006c
Cement Kiln Dust Adjustment Factor	2014	1.02	IPCC, 2006c
Clinker CO2 emission factor	2000	0.51 g / g	IPCC, 2006c
Clinker CO2 emission factor	2001	0.51 g / g	IPCC, 2006c
Clinker CO2 emission factor	2002	0.51 g / g	IPCC, 2006c
Clinker CO2 emission factor	2003	0.51 g / g	IPCC, 2006c
Clinker CO2 emission factor	2004	0.51 g / g	IPCC, 2006c
Clinker CO2 emission factor	2005	0.51 g / g	IPCC, 2006c
Clinker CO2 emission factor	2006	0.51 g / g	IPCC, 2006c
Clinker CO2 emission factor	2007	0.51 g / g	IPCC, 2006c
Clinker CO2 emission factor	2010	0.51 g / g	IPCC, 2006c
Clinker CO2 emission factor	2011	0.51 g / g	IPCC, 2006c
Clinker CO2 emission factor	2012	0.51 g / g	IPCC, 2006c
Clinker CO2 emission factor	2013	0.51 g / g	IPCC, 2006c
Clinker CO2 emission factor	2014	0.51 g / g	IPCC, 2006c